

AMENDMENTS TO THE SPECIFICATION:

Page 2, replace lines 1-3, with the following paragraph:

RELATED APPLICATIONS

This application is a continuation-in-part of U.S. patent application Serial No. 10/090,346, filed March 4, 2002, now abandoned.

Page 9, replace lines 1-15, with the following amended paragraphs:

Set forth below are illustrative examples of embodiments of the present invention.

EXAMPLE 1 - (Claim 3) -

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	46.23
Al ₂ O ₃	25.91
Na ₂ O	2.40
K ₂ O	0.82
CaO	8.27
MgO	4.06
Fe ₂ O ₃ +FeO	10.22
TiO ₂	1.58
ZrO ₂	0.01
P ₂ O ₅	0.28
MnO	0.23

Page 10, replace lines 14-26, with the following amended paragraph:

EXAMPLE 4 -(Claim 8)-

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	53.69
Al ₂ O ₃	13.84
Na ₂ O	2.79
K ₂ O	0.95
CaO	9.61
MgO	4.71
Fe ₂ O ₃ +FeO	11.87
TiO ₂	1.83
ZrO ₂	0.00
P ₂ O ₅	0.38
MnO	0.33

Page 11, replace lines 1-26, with the following amended paragraphs:

EXAMPLE 5 (Claim 9)--

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	55.25
Al ₂ O ₃	18.25
Na ₂ O	2.30
K ₂ O	1.80
CaO	8.38
MgO	3.97
Fe ₂ O ₃ +FeO	8.50
TiO ₂	1.09
ZrO ₂	0.31
P ₂ O ₅	0.20
MnO	0.18

EXAMPLE 6 (Claim 10)--

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	67.55
Al ₂ O ₃	9.76
Na ₂ O	1.96
K ₂ O	0.67
CaO	6.74
MgO	3.30
Fe ₂ O ₃ +FeO	8.32
TiO ₂	1.28
ZrO ₂	0.01
P ₂ O ₅	0.22
MnO	0.19

Page 12, replace lines 1 - 13, with the following amended paragraph:

EXAMPLE 7 --(Claim-12)--

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	70.02
Al ₂ O ₃	10.14
Na ₂ O	2.03
K ₂ O	0.01
CaO	6.53
MgO	4.26
Fe ₂ O ₃ +FeO	5.26
TiO ₂	1.33
ZrO ₂	0
P ₂ O ₅	0
MnO	0

Page 12, after line 13, insert the following new paragraphs:

Set forth below is a table which-provides-literal-support--
for-the-respective-compositions-of-oxides-for-each-of-Claims-1-20--
of compositions of oxides of the instant invention.

-CLAIMS-TABLE I

Oxides	Range 1 Claim-1 wt%	Range 2 Claim-2 wt%	Example 1 Claim-3 wt%	Example 8 Claim-4 wt%	Example 9 Claim-5 wt%	Example 10 Claim-6 wt%
SiO ₂	46.0-71.0	46.0-71.0	46.23	46.23	61.03	64.95
Al ₂ O ₃	9.0-12.5	9.0-12.5	25.91	25.91	11.71	11.13
Na ₂ O	0 - 2.00		2.40	2.40	2.35	2.24
K ₂ O	0 - 2.00		0.82	0.82	0.80	2.24
CaO	3.76-10.5	1.76-10.5	8.27	8.27	8.10	3.76
MgO	1.84-10.5	1.84-10.5	4.06	4.06	3.97	3.77
Fe ₂ O ₃ +FeO	4.64-15.5	4.64-15.5	10.22	10.22	9.99	9.51
TiO ₂	0.72- 3.0	0.72- 3.0	1.58	1.58	1.55	1.47
ZrO ₂			0.01		0	0.01
P ₂ O ₅			0.28	0.28	0.27	0.70
MnO			0.23	0.23	0.23	0.22

<u>Oxides</u>	<u>Example 11</u> <u>Claim-7-</u> <u>wt%</u>	<u>Example 4</u> <u>Claim-8-</u> <u>wt%</u>	<u>Example 5</u> <u>Claim-9-</u> <u>wt%</u>	<u>Example 6</u> <u>Claim-10-</u> <u>wt%</u>	<u>Example 12</u> <u>Claim-11-</u> <u>wt%</u>	<u>Example 7</u> <u>Claim-12-</u> <u>wt%</u>
SiO ₂	64.95	53.69	55.25	67.55	67.55	70.02
Al ₂ O ₃	11.13	13.84	18.25	9.76	9.76	10.14
Na ₂ O	2.24	2.79	2.30	1.96	1.96	2.03
K ₂ O	2.24	0.95	1.80	0.67	0.67	0.01
CaO	3.76	9.61	8.38	6.74	6.74	6.53
MgO	3.77	4.71	3.97	3.30	3.30	4.26
Fe ₂ O ₃ +FeO	9.51	11.87	8.50	8.32	8.32	5.26
TiO ₂	1.47	1.83	1.09	1.28	1.28	1.33
ZrO ₂		0	0.31	0.01		0
P ₂ O ₅	0.70	.38	0.20	0.22	0.22	0
MnO	0.22	0.33	0.18	0.19	0.19	0

<u>Oxides</u>	<u>Example 13</u> <u>Claim-13-</u> <u>wt%</u>	<u>Example 14</u> <u>Claim-14-</u> <u>wt%</u>	<u>Example 15</u> <u>Claim-15-</u> <u>wt%</u>	<u>Example 16</u> <u>Claim-16-</u> <u>wt%</u>	<u>Example 17</u> <u>Claim-17-</u> <u>wt%</u>	<u>Example 18</u> <u>Claim-18-</u> <u>wt%</u>
SiO ₂	46.47	66.92	55.50	67.83	70.31	46.47
Al ₂ O ₃	25.91	11.42	18.33	9.80	10.18	25.91
Na ₂ O	2.41	2.59	2.31	1.97	2.03	2.41
K ₂ O	0.95	2.59	1.81	0.67	0.01	0.95
CaO	8.31	3.81	8.42	6.77	6.55	8.31
MgO	4.08	4.01	3.99	3.31	4.27	4.08
Fe ₂ O ₃ +FeO	10.27	8.66	8.54	8.36	5.28	10.27
TiO ₂	1.60	0.72	1.10	1.29	1.37	
ZrO ₂						
P ₂ O ₅						
MnO						

<u>Oxides</u>	<u>Example 19</u>	<u>Example 20</u>
	<u>-Claim-19-</u>	<u>-Claim-20-</u>
	<u>wt%</u>	<u>wt%</u>
SiO ₂	66.92	70.31
Al ₂ O ₃	11.42	10.18
Na ₂ O	2.59	2.03
K ₂ O	2.59	0.01
CaO	3.81	6.55
MgO	4.01	4.27
Fe ₂ O ₃ +FeO	8.66	5.28
TiO ₂		
ZrO ₂		
P ₂ O ₅		
MnO		

Page 16, replace lines 1-25, with the following amended paragraphs:

Set forth below are illustrative examples of the later added embodiments of the invention.

-EXAMPLE-8-(Claim-24) EXAMPLE 21

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	67.55
Al ₂ O ₃	9.76
Na ₂ O	0.67
K ₂ O	1.96
CaO	6.74
MgO	3.30
Fe ₂ O ₃ +FeO	8.32
TiO ₂	1.28
ZrO ₂	0.01
P ₂ O ₅	0.22
MnO	0.19

-EXAMPLE-9-(Claim-30) - EXAMPLE 22

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	68.00
Al ₂ O ₃	9.06
B ₂ O ₃	2.01
Na ₂ O	2.33
K ₂ O	0.42
CaO	6.23
MgO	3.06
Fe ₂ O ₃ +FeO	7.70
TiO ₂	1.19

Page 17, replace lines 1-20, with the following amended paragraphs:

-EXAMPLE-10-(Claim-26)- EXAMPLE 23

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	67.36
Al ₂ O ₃	9.76
Li ₂ O	2.86
Na ₂ O	1.00
CaO	5.28
MgO	3.80
Fe ₂ O ₃ +FeO	8.46
TiO ₂	1.48

--EXAMPLE-11-(Claim-31)- EXAMPLE 24

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	65.24
Al ₂ O ₃	2.50
Na ₂ O	13.00
B ₂ O ₃	6.00
CaO	6.70
MgO	1.85
Fe ₂ O ₃ +FeO	4.01
TiO ₂	0.70

Page 18, replace lines 1-10, with the following amended paragraph:

--EXAMPLE-12- EXAMPLE 25

<u>Oxides</u>	<u>Weight Percent</u>
SiO ₂	68.00
Al ₂ O ₃	2.50
Na ₂ O	13.00
B ₂ O ₃	6.00
CaO	6.70
MgO	2.71
Fe ₂ O ₃ +FeO	1.00
TiO ₂	1.09

Page 18, after line 10, insert the following new paragraphs:

Set forth below is a table which provides literal support --
for the respective compositions of oxides for each of
claims 21-35-- of compositions of oxides of the instant
invention.

CLAIMS TABLE II

<u>Oxides</u>	<u>Range 3</u> -claim-21- wt%	<u>Range 4</u> Claim-22- wt %	<u>Example 26</u> -claim-23- wt%	<u>Example 21</u> -claim-24- wt%	<u>Example 27</u> -claim-25- wt%	<u>Example 23</u> -claim-26- wt%
SiO ₂	49.0-76.0	67.55	67.55	67.55	49.0	67.36
Al ₂ O ₃	2.0-12.5	9.76	9.76	9.76	23.0	9.76
Na ₂ O	0 - 12.0	0.67	0.67	0.67	1.04	1.00
K ₂ O	0 - 2.0			1.96		
CaO	3.0-15.0	6.74	6.74	6.74	8.31	5.28
MgO	2.0-15.0	3.30	3.30	3.30	4.08	3.80
Fe ₂ O ₃ +FeO	1.0-18.0	8.32	8.32	8.32	10.27	8.46
TiO ₂	0 - 4.0	1.28	1.28	1.28	1.59	1.48
ZrO ₂		0.01	0.01	0.01		
P ₂ O ₅	0 - 4.0	0.22	0.22	0.22		
MnO		0.19	0.19	0.19		
B ₂ O ₃	0 - 9	1.96	.		2.35	
Li ₂ O	0 - 9		1.96			2.86

<u>Oxides</u>	<u>Example 28 Claim-27 wt%</u>	<u>Example 29 Claim-28 wt%</u>	<u>Example 30 Claim-29 wt%</u>	<u>Example 22 Claim-30 wt%</u>	<u>Example 24 Claim-31 wt%</u>	<u>Example 31 Claim-32 wt%</u>
SiO ₂	65.16	56.01	66.51	68.00	65.24	67.50
Al ₂ O ₃	11.18	13.92	9.34	9.06	2.50	9.34
Na ₂ O		2.92	2.81	2.33	13.00	
K ₂ O		0.96		0.42		0.81
CaO	7.14	8.40	6.41	6.23	6.70	8.41
MgO	3.99		2.99	3.06	1.85	2.00
Fe ₂ O ₃ +FeO	8.95	11.94	8.53	7.70	4.01	8.53
TiO ₂	0.57	1.84		1.19	0.70	1.10
ZrO ₂						
P ₂ O ₅						
MnO						
B ₂ O ₃	3.01	4.01		2.01	6.00	
Li ₂ O			3.41			2.31

<u>Oxides</u>	<u>Example 32 Claim-33 wt%</u>	<u>Example 33 Claim-34 wt%</u>	<u>Example 34 Claim-35 wt%</u>
SiO ₂	46.47	66.92	70.31
Al ₂ O ₃	25.91	11.42	8.30
Na ₂ O	2.55	2.59	2.03
K ₂ O			
CaO	8.31	4.02	6.55
MgO	4.08	0.81	3.27
Fe ₂ O ₃ +FeO	10.27	10.00	8.53
TiO ₂			
ZrO ₂			
P ₂ O ₅			
MnO			
B ₂ O ₃	2.41	4.24	1.01
Li ₂ O			